

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-5 and ADD new claims 6 - 9 in accordance with the following:

1. **(currently amended)** ~~An track jump apparatus which performs~~for performing track jumping in consideration of a position of a pickup, the apparatus comprising:  
a ~~pickup, which reads~~pickup reading a signal from an optical disc;  
an RF processing unit, ~~which outputs~~unit outputting an error signal controlling the pickup by shaping and amplifying the signal transmitted from the pickup;  
a ~~servo, which judges~~servo judging a position of the pickup ~~from based on~~ the error signal output from the RF processing unit and ~~outputs~~outputting a track jump start/end control signal;  
and a ~~driver, which moves~~driver moving the position of the pickup using the track jump start/end control signal output from the servo.

2. **(currently amended)** The apparatus of claim 1, wherein: ~~in a case~~  
where the position of the pickup judged by the error signal output from the RF processing unit is within a reference range, the servo outputs a predetermined voltage for the track jump start/end control to the driver.

3. **(currently amended)** The apparatus of claim 1, wherein: ~~in a case~~  
where the position of the pickup judged by the error signal output from the RF processing unit ~~does not fall~~is not within the reference range, the servo cuts off the predetermined voltage for the track jump start/end control output to the driver until the position of the pickup is within the reference range.

4. **(currently amended)** A ~~track jump~~ method ~~which performs~~ of performing track jumping in consideration of a position of a pickup, the method ~~including~~ comprising:

~~(a)~~ outputting an error signal controlling the pickup by shaping and amplifying an optical disc signal transmitted from the pickup;

~~(b)~~ judging a position of the pickup from the error signal when a track jump is performed and outputting a track jump start/end control signal for the pickup; and

~~(c)~~ moving the position of the pickup using the track jump start/end control signal.

5. **(currently amended)** The method of claim 4, wherein:

~~step (b) comprises; (b-1) in a case where the position of the pickup judged by the error signal is within a reference range, the outputting of the track jump start/end control signal comprises outputting a predetermined voltage for the track jump start/end control; and~~

~~(b-2) in a case where the position of the pickup judged by the error signal exceeds is not within the reference range, the outputting of the track jump start/end control signal comprises cutting off the predetermined voltage for the track jump start/end control until the position of the pickup is within the reference range.~~

6. **(new)** An apparatus for performing track jumping of an optical pickup in an optical disc recording/reproducing apparatus, the apparatus comprising:

an RF processing unit generating a positional error signal based on an output signal of the optical pickup;

a servo judging a position of the pickup relative to a track of the optical disc based on the positional error signal, and outputting a control signal to control a position of the optical pickup based on the judged position;

a driver controlling the position of the pickup using the control signal output; and

a controller monitoring the control signal and controlling the track jumping based on the control signal, wherein:

where the controller determines that the control signal represents that the position of the optical pickup is within a predetermined range of a center of the track, the controller immediately outputs an additional signal to the driver to perform the track jump, and

where the controller determines that the control signal represents that the position of the optical pickup is not within the predetermined range, the controller delays outputting the

additional signal to the driver until the control signal represents that the position of the optical pickup is within the predetermined range of the track center.

7. (new) The apparatus of claim 6, wherein:

the controller calculates an amount of the track jump and calculates a duration of the additional voltage based on the calculated amount of the track jump.

8. (new) The apparatus of claim 6, wherein:

the controller removes the additional voltage when the pickup has completed the track jump.

9. (new) A method of controlling track jumping of an optical pickup relative to an eccentrically rotating track of an optical disc, the method comprising:

judging whether a position of the pickup is within a predetermined range relative to a center of the track at a time of a track jump command;

immediately outputting the track jump command to the optical pickup if the pickup is within the predetermined range; and

delaying the outputting of the track jump command if the pickup is not within the predetermined range.